AUDIT REPORT

Hostname: **BRANCH Office**

Config file name: Branch_Office-startup-config.cfg

Config hash: a3776e6241aa10c63b821d7d721942e7f63dcea0

Vendor: cisco OS: ios

Facility layer: collapsed_all

L3 protocols: ipv4

Enabled functions: rip,bgp,acl created Date: 18/05/2020_09:43

SUCCESS STATISTICS

Weighted score coefficient:

54 out of 100

Successful checks: 36.6% Unsuccessful checks: 63.4%

Total number of relevant 164

started checks:

Successful checks: 60 Unsuccessful 'Critical': 28 Unsuccessful 'High': 40 Unsuccessful 'Medium': 33 Unsuccessful 'Low': 3 Unsuccessful 'Notice':

Authentication, Authorization, Accounting

No.	Name	Severity	Skipped	Cannot determine search/fix			
1	AAA new model/ Enabled AAA	High	False	False	Error 🗶		
	rated fix: ew-model						
2	AAA server set	High	False	False	Error 🗶		
radius addre	rated fix: s server RADIUS_SERVER ss ipv4 192.168.60.11 adKey1						
3	AAA server group	High	False	False	Error 🗶		
aaa g	rated fix: roup server radius RADIUS_SERVER r name RADIUS_SERVER						
4	AAA authentication login	High	False	False	Error 🗶		
4 AAA authentication login High False False Error X Generated fix: aaa authentication login default group RADIUS_SERVER local enable							
5	AAA authentication login fallback	High	False	False	Error 🗶		

	erated fix: uthentication login default group RADIUS_SERVER	local enable						
6	AAA authentication login only local disabled	High	False	False	Successful 🗸			
7	AAA authentication login none disabled	Critical	False	False	Successful 🗸			
8	AAA authentication "enable"	Medium	False	False	Error 🗶			
	Generated fix: aaa authentication enable default group RADIUS_SERVER enable							
9	AAA authentication "enable" fallback	Medium	False	False	Error 🗶			
	erated fix: uthentication enable default group RADIUS_SERVE	R enable						
10	AAA authentication "enable" only local disabled	Medium	False	False	Successful 🗸			
11	AAA authentication "enable" none disabled	High	False	False	Successful 🗸			
12	AAA authorization "exec"	High	False	False	Error 🗶			
	erated fix: uthorization exec default group RADIUS_SERVER lo	ocal if-authen	ticated					
13	AAA authorization "exec" fallback	High	False	False	Error 🗶			
	erated fix: uthorization exec default group RADIUS_SERVER lo	ocal if-authen	iticated					
14	AAA authorization "exec" only local disabled	High	False	False	Successful 🗸			
15	AAA authorization "exec" none disabled	Critical	False	False	Successful 🗸			
16	AAA accounting "connection"	High	False	False	Error 🗶			
	erated fix: ccounting connection default start-stop group RAD	OIUS_SERVER						
17	AAA auccounting "connection" none disabled	High	False	False	Successful 🗸			
18	AAA accounting "exec"	High	False	False	Error 🗶			
	erated fix: ccounting exec default start-stop group RADIUS_SI	ERVER						
19	AAA accounting "exec" none disabled	High	False	False	Successful 🗸			
20	AAA source interface	Medium	False	False	Error 🗶			
	erated fix: lius source-interface Loopback0							
21	AAA authentication max attempts less or equal to 5	High	False	False	Successful 🗸			

Access to device

Name	Severity	Skipped	Cannot determine search/fix	
Exec timeout <=5 minutes	Medium	False	False	Error X
	Exec timeout <=5 minutes	-		search/fix

Gene	erated fix:				
exec-	-timeout 5				
	rty 0 4 -timeout 5				
	rty 5 6 -timeout 5				
2	AUX connection input disabled	High	False	False	Successful 🗸
3	AUX no execution set	High	False	False	Successful 🗸
Righ line a					
4	Remote output connections disabled	Medium	False	False	Error 🗶
line of line a					
line c	erated fix: con 0 port output none				
line a	aux 0 port output none				
	rty 0 4 port output none				
	rty 5 6 port output none				
5	Local user database with encrypted password	Critical	False	False	Successful 🗸
	t configuration setting found in: name User secret 5 \$1\$Gash\$8fbPyutm3nNsdVyer	nmhwh/			
6	Local user database with plaintext password disabled	Critical	False	False	Error 🗶
	r configuration setting found in: name Admin password 0 PassWD				
	erated fix: sername Admin password 0 PassWD				
userr	name admin secret admin_password				
7	Enable password encrypted	Critical	False	False	Error 🗶
	erated fix: le secret enablepasswd123				
8	Enable password plaintext disabled	Critical	False	False	Successful 🗸
9	Local login to virtual terminal disabled	Critical	False	False	Error X
	r configuration setting found in: /ty 0 4 ocal				
login line v login	rty 0 4 local rty 5 6				
login line v login line v login	vty 0 4 local vty 5 6 nd error in context(s): vty 0 4 vty 0 4				
login line v login line v login	vty 0 4 local vty 5 6 nd error in context(s): vty 0 4	Critical	False	False	Error 🗶

Found error in context(s): line vty 5 6				
Generated fix: line vty 5 6				
access-class VTY_ACC in				
11 ACL specified for VTY access is created	Critical	False	False	Successful 🗸
Right configuration setting found in: ip access-list standard VTY_ACC				
12 Log login to device on failure	High	False	False	Error X
Generated fix: login on-failure trap login on-failure log login on-failure log-input				
Fix notice: Depending on IOS, usually just one of fixing command i syntax and support among IOS versions.	s applicable t	o device. There	e are more bec	ause of different
13 Log login to device on success	Medium	False	False	Error 🗶
Generated fix: login on-success trap login on-success log login on-success log-input Fix notice:				
Depending on IOS, usually just one of fixing command i syntax and support among IOS versions.	s applicable t	o device. There	e are more bec	ause of different
14 Login quiet mode	Medium	False	False	Error X
14 Login quiet mode Generated fix: login quiet-mode access-class IPV4_VTY_ACL	Medium	False	False	Error X
Generated fix:		False False	False False	Error X
Generated fix: login quiet-mode access-class IPV4_VTY_ACL				
Generated fix: login quiet-mode access-class IPV4_VTY_ACL 15 ACL exists for specified login quiet mode Comment:	e Medium	False	False	Error X
Generated fix: login quiet-mode access-class IPV4_VTY_ACL 15 ACL exists for specified login quiet mode Comment: Cannot be fixed automatically! Fix notice: Cannot be fixed automatically! If search is not successf managing devices with these commands: ip access-list standard <acl name=""> remark Permiting managemnt device</acl>	e Medium	False	False	Error X
Generated fix: login quiet-mode access-class IPV4_VTY_ACL 15 ACL exists for specified login quiet mode Comment: Cannot be fixed automatically! Fix notice: Cannot be fixed automatically! If search is not successf managing devices with these commands: ip access-list standard <acl name=""> remark Permiting managemnt device permit <ip address=""> <wildcard mask=""></wildcard></ip></acl>	e Medium ul create ACL	False , which permits	False s only needed e	Error X end stations for
Generated fix: login quiet-mode access-class IPV4_VTY_ACL 15 ACL exists for specified login quiet mode Comment: Cannot be fixed automatically! Fix notice: Cannot be fixed automatically! If search is not successf managing devices with these commands: ip access-list standard <acl name=""> remark Permiting managemnt device permit <ip address=""> <wildcard mask=""> 16 One user change config at time Generated fix: configuration mode exclusive</wildcard></ip></acl>	e Medium ul create ACL High	False , which permits False	False s only needed e	Error X end stations for Error X
Generated fix: login quiet-mode access-class IPV4_VTY_ACL 15 ACL exists for specified login quiet mode Comment: Cannot be fixed automatically! Fix notice: Cannot be fixed automatically! If search is not successf managing devices with these commands: ip access-list standard <acl name=""> remark Permiting managemnt device permit <ip address=""> <wildcard mask=""> 16 One user change config at time Generated fix: configuration mode exclusive configuration mode exclusive auto</wildcard></ip></acl>	e Medium ul create ACL High	False , which permits False	False s only needed e	Error X end stations for Error X
Generated fix: login quiet-mode access-class IPV4_VTY_ACL 15 ACL exists for specified login quiet mode Comment: Cannot be fixed automatically! Fix notice: Cannot be fixed automatically! If search is not successfi managing devices with these commands: ip access-list standard <acl name=""> remark Permiting managemnt device permit <ip address=""> <wildcard mask=""> 16 One user change config at time Generated fix: configuration mode exclusive configuration mode exclusive auto Fix notice: Just one of fixing command is applicable to device. The</wildcard></ip></acl>	e Medium ul create ACL High re are more b Low	False which permits False ecause of diffe	False s only needed e	Error X end stations for Error X

Right configuration setting found in: banner exec ^C * IOSv is strictly limited to use for evaluation, demonstration and IOS * * education. IOSv is provided as-is and is not supported by Cisco's * * Technical Advisory Center. Any use or disclosure, in whole or in part, * * of the IOSv Software or Documentation to any third party for any * st purposes is expressly prohibited except as otherwise authorized by st* Cisco in writing. * 19 Legal banner login False **False** Low Successful 🗸 Right configuration setting found in: banner login ^C **************** * IOSv is strictly limited to use for evaluation, demonstration and IOS * * education. IOSv is provided as-is and is not supported by Cisco's * * Technical Advisory Center. Any use or disclosure, in whole or in part, * * of the IOSv Software or Documentation to any third party for any * * purposes is expressly prohibited except as otherwise authorized by * * Cisco in writing. * ****************** Session timeout False Error X Medium False Found error in context(s): line con 0 line aux 0 line vty 0 4 line vty 5 6 Generated fix: line con 0 session-timeout 30 line aux 0 session-timeout 30 line vty 0 4 session-timeout 30 line vty 5 6 session-timeout 30 AUX exec timeout one second High **False False** Successful < Right configuration setting found in: line aux 0 exec-timeout 0 1 Not relevant 22 Restrict login to device - IPv6 ACL Critical True False Comment: Skipped, required function ipv6 not configured on device. Everything is OK. Not relevant ACL IPv6 specified for VTY access is 23 Critical True False created Comment: Skipped, required function ipv6 not configured on device. Everything is OK. 24 Login DOS block for High False Error X Generated fix: login block-for 120 attempts 3 within 30

SSH

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	SSH enable on management connection	Critical	False	False	Error X

line v	t configuration setting found in:				
	port input ssh				
	nd error in context(s): /ty 5 6				
line v	erated fix: rty 5 6 port input ssh				
Make	notice: e sure RSA key is present - generated or imported. o key generate rsa modulus 2048	For generatin	ng RSA key, iss	ue command:	
2	SSH version 2	Critical	False	False	Successful 🗸
	t configuration setting found in: n version 2				
3	SSH timeout	Medium	False	False	Error 🗶
ip ssl	erated fix: n timeout 30 n time-out 30				
	notice: one of fixing command is applicable to device. The	ere are more b	pecause of diffe	erent syntax ar	nong IOS versions.
4	SSH max 3 retries	Medium	False	False	Successful 🗸
5	SSH source interface	High	False	False	Error 🗶
	erated fix: n source-interface Loopback0				
6	SSH not default port	High	False	False	Error 🗶
	erated fix: n port 2223 rotary 1				
7	SSH not default port applied	High	False	False	Error 🗶
Generaline v	rty 5 6				
Dev	rice identification				

No. Name	Severit	y Skipped	Cannot determ search/	ine Status			
1 Hostname set	Low	False	False	Successful 🗸			
Comment: Cannot be fixed automatically! Right configuration setting found in: hostname BRANCH_Office							
2 Domain name set	Low	False	False	Successful 🗸			
Right configuration setting found in: ip domain-name thesis-test.cz							
3 All interfaces have description	Low	False	False	Error 🗶			

Comment:

Cannot be fixed automatically!

Right configuration setting found in:

interface GigabitEthernet0/0 description WAN_PORT

Found port(s) with error:

Tunnel0

GigabitEthernet0/1

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/0

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3

GigabitEthernet2/0

GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2 GigabitEthernet3/3

Vlan10

Fix notice:

Set interface descrtiption with command: interface <interface name> description <description of interface>

Fix ignore comment:

Fixing commands suppressed due to manual need of manual chenage and name determination.

SNMP

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	SNMP v2 write disabled	Critical	False	False	Successful 🗸
2	SNMP v2 read without ACL disabled	Critical	False	False	Successful 🗸
3	SNMP v2 read with ACL disabled	Critical	False	False	Successful 🗸
4	SNMP v1 trap host disabled	Critical	False	False	Successful 🗸
5	SNMP v2 trap host disabled	Critical	False	False	Successful 🗸
6	SNMP v3 read [authnopriv noauth authpriv without ACL] or write disabled	Critical	False	False	Successful 🗸
7	SNMP v3 read authpriv with ACL enabled	d Critical	False	False	Error X
snm;	erated fix: o-server group SNMP_V3_GRP v3 priv read READVIE o-server user SNMPv3USER SNMP_V3_GRP v3 auth			es 256 SnmpPa:	sswd123 access
snmp snmp SNMI	o-server group SNMP_V3_GRP v3 priv read READVIE o-server user SNMPv3USER SNMP_V3_GRP v3 auth			es 256 SnmpPa: False	sswd123 access Not relevant
snmp snmp SNMI	o-server group SNMP_V3_GRP v3 priv read READVIE o-server user SNMPv3USER SNMP_V3_GRP v3 auth P_V3 SNMP v3 read authpriv with IPv6 ACL enabled ment: oed, required function ipv6 not configured on device	sha SnmpPas Critical	swd123 priv a	·	
snmp snmp SNMI 8 Com Skipp	o-server group SNMP_V3_GRP v3 priv read READVIE o-server user SNMPv3USER SNMP_V3_GRP v3 auth P_V3 SNMP v3 read authpriv with IPv6 ACL enabled ment:	sha SnmpPas Critical	swd123 priv a	·	
snmp snmp SNMI 8	o-server group SNMP_V3_GRP v3 priv read READVIED-server user SNMPv3USER SNMP_V3_GRP v3 authors and server user SNMPv3USER SNMP_V3_GRP v3 authors and server user SNMP v3 read authoriv with IPv6 ACL enabled ment: bed, required function ipv6 not configured on device SNMP user v1 v2c or v3 [noauth authnopriv no sha no	sha SnmpPas Critical e. Everything	swd123 priv a	False	Not relevant ✓
Sommitted in the second	o-server group SNMP_V3_GRP v3 priv read READVIED-server user SNMPv3USER SNMP_V3_GRP v3 authory v3 SNMP v3 read authpriv with IPv6 ACL enabled ment: oed, required function ipv6 not configured on device SNMP user v1 v2c or v3 [noauth authnopriv no sha no aes without ACL] disabled	sha SnmpPas Critical e. Everything Critical	swd123 priv a True is OK. False	False	Not relevant Successful

Gene	erated fix:				
snmp	-server location GNS3LAB				
12	SNMP v3 traps priv	Medium	False	False	Error X
	erated fix: server host 192.168.60.11 version 3 priv SNMPv3				
13	SNMP traps v3 read [authnopriv noauth] or v1 v2 disabled	Critical	False	False	Successful 🗸
14	SNMP traps enabled	Medium	False	False	Error 🗶
	erated fix: o-server enable traps				
15	ACL is created for SNMPv3	Critical	False	False	Error 🗶
Cann	ment: ot be fixed automatically!				
Cann recei ip acc rema	otice: ot be fixed automatically! If search is not successfu ving SNMP with these commands: cess-list standard <acl name=""> rk Permiting SNMP it <ip address=""> <wildcard mask=""></wildcard></ip></acl>	ul create ACL,	which permits	only needed e	nd stations for
16	ACL IPv6 is created for SNMPv3	Critical	True	False	Not relevant ✓
Skipp 17 Gene snmp	ment: ped, required function ipv6 not configured on device SNMP interface index persist enabled globally perated fix: perserver ifindex persist persist persist persist persist persist persist	e. Everything High	is OK. False	False	Error 🗶
Just c	notice: one of fixing command is applicable to device. Ther SNMP interface index persist enabled				ong IOS versions.
18	per interface	High	False	False	Error 🗶
Tunn Gigal Gigal Gigal Gigal Gigal Gigal Gigal Gigal Gigal Gigal Gigal Gigal	bitEthernet0/0 bitEthernet0/1 bitEthernet0/2 bitEthernet1/0 bitEthernet1/1 bitEthernet1/2 bitEthernet1/3 bitEthernet2/0 bitEthernet2/1 bitEthernet2/2 bitEthernet2/3 bitEthernet3/0 bitEthernet3/1 bitEthernet3/1 bitEthernet3/2 bitEthernet3/2 bitEthernet3/3				

Generated fix: interface Tunnel0 snmp ifindex persist exit interface GigabitEthernet0/0 snmp ifindex persist exit interface GigabitEthernet0/1 snmp ifindex persist exit interface GigabitEthernet0/2 snmp ifindex persist exit interface GigabitEthernet0/3 snmp ifindex persist exit interface GigabitEthernet1/0 snmp ifindex persist exit interface GigabitEthernet1/1 snmp ifindex persist exit interface GigabitEthernet1/2 snmp ifindex persist exit interface GigabitEthernet1/3 snmp ifindex persist exit interface GigabitEthernet2/0 snmp ifindex persist exit interface GigabitEthernet2/1 snmp ifindex persist interface GigabitEthernet2/2 snmp ifindex persist exit interface GigabitEthernet2/3 snmp ifindex persist interface GigabitEthernet3/0 snmp ifindex persist exit interface GigabitEthernet3/1 snmp ifindex persist interface GigabitEthernet3/2 snmp ifindex persist exit interface GigabitEthernet3/3 snmp ifindex persist exit interface Vlan10 snmp ifindex persist exit

Syslog

Name	Severity	Skipped					
Syslog server enabled	High	False	False	Error 🗶			
erated fix: ng host 192.168.60.11							
Syslog server IPv6 enabled	High	True	False	Not relevant ✓			
Comment: Skipped, required function ipv6 not configured on device. Everything is OK.							
Syslog source interface	Medium	False	False	Error 🗶			
	Syslog server enabled erated fix: ng host 192.168.60.11 Syslog server IPv6 enabled ment: ped, required function ipv6 not configured on device	Syslog server enabled High erated fix: ng host 192.168.60.11 Syslog server IPv6 enabled High ment: ped, required function ipv6 not configured on device. Everything	Syslog server enabled High False erated fix: ng host 192.168.60.11 Syslog server IPv6 enabled High True ment: ped, required function ipv6 not configured on device. Everything is OK.	Name Severity Skipped determine search/fix Syslog server enabled High False False False False False False False False False False False False False False False False			

	erated fix: ng source-interface Loopback0									
4	Syslog format	Medium	False	False	Successful 🗸					
_	Right configuration setting found in: service timestamps log datetime msec									
5	Syslog critical alerts to console	Medium	False	False	Error 🗶					
	erated fix: ng console critical									
6	Syslog send informational traps	High	False	False	Successful 🗸					
7	Syslog buffer set with severity	High	False	False	Error 🗶					
	erated fix: ng buffered 40960 informational									
8	Syslog local backup	High	False	False	Error 🗶					
Generated fix: logging persistent url flash:										
9	Syslog sequence numbers added	Medium	False	False	Error 🗶					
	erated fix: ce sequence-numbers									

NTP

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	NTP server set	High	False	False	Error 🗶
	rated fix: erver 192.168.60.11				
2	NTP source interface	Medium	False	False	Error 🗶
	rated fix: ource Loopback0				
3	NTP authentication key	High	False	False	Error 🗶
	rated fix: uthentication-key 1 md5 ntpPasswd123				
4	NTP trusted key	High	False	False	Error 🗶
	rated fix: usted-key 1				
5	NTP authenticate	High	False	False	Error 🗶
	rated fix: uthenticate				

High load

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	SNMP traps for CPU load	Medium	False	False	Error 🗶

	erated fix: o-server enable traps cpu threshold								
2	Threshold for CPU load	Medium	False	False	Error 🗶				
	Generated fix: process cpu threshold type total rising 70 interval 5								
3	Statistics entry for CPU load	Low	False	False	Error 🗶				
	erated fix: ess cpu statistics limit entry-percentage 70								
4	Reserve memory for critical notification	Medium	False	False	Error 🗶				
	erated fix: ory reserve critical 1000								
5	Minimum CPU memory notification	Medium	False	False	Error 🗶				
	Generated fix: memory free low-watermark processor 2000								
6	Minimum IO memory notification	Medium	False	False	Error 🗶				
	erated fix: ory free low-watermark io 2000								

Spanning tree

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Portfast globally enabled	High	False	False	Successful 🗸
	t configuration setting found in: ning-tree portfast edge default				
2	Portfast enabled on access interface	High	False	False	Matched by equivalent ✓
	ment: le was marked as matched by equivalent by modu	le 09_01_stp_	_portfast_defau	lt.yaml	
3	BPDU Guard globally enabled	Critical	False	False	Successful 🗸
	t configuration setting found in: ning-tree portfast edge bpduguard default				
4	BPDU Guard enabled on access interface	High	False	False	Matched by equivalent ✓
	ment: le was marked as matched by equivalent by modu	le 09_03_stp_	_bpdu_guard.ya	aml	
5	BPDU Filter globally disabled	Critical	False	False	Successful 🗸
6	BPDU Filter disabled on access interface	High	False	False	Not relevant ✓
Modu	ment: le 09_06_stp_bpdu_filter_interface.yaml configured nodule has not run yet with specified cmd_match_s				
7	Loop Guard globally enabled	Critical	False	False	Successful 🗸
_	t configuration setting found in: ning-tree loopguard default				
8	Loop Guard enabled on access interface	High	False	False	Matched by equivalent ✔
	ment: le was marked as matched by equivalent by modu	le 09_07_stp_	_loop_guard.ya	ml	

/LA	AN				
No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Default Vlan not used	Critical	False	False	Error X
	ment: ot be fixed automatically! Cannot automatically do	etermine VLAI	N assignment t	o port.	
inter switch inter switch inter	t configuration setting found in: face GigabitEthernet0/1 hport access vlan 10 face GigabitEthernet0/2 hport access vlan 10 face GigabitEthernet0/3 hport access vlan 10				
Giga Giga Giga Giga Giga Giga Giga Giga	bitEthernet1/0 bitEthernet1/1 bitEthernet1/2 bitEthernet1/3 bitEthernet2/0 bitEthernet2/1 bitEthernet2/2 bitEthernet2/3 bitEthernet3/0 bitEthernet3/1 bitEthernet3/2 bitEthernet3/3				
Elimi nter switc	notice: nate ports with default Vlan by command with Vla face <interface name=""> hport mode access hport access vlan <vlan id=""></vlan></interface>	n ID different	than 1		
2	Management VLAN + SVI set and different than 1	Medium	False	False	Successful 🗸
Cann	ment: ot be fixed automatically! Cannot automatically se as existing VLAN and port assigned to VLAN.	et diffrenet IP	among SVI(s) a	a lot of prerequi	rements must be
nter	t configuration setting found in: face Vlan10 dress 192.168.10.1 255.255.255.0				
3	Management VLAN gateway	Medium	False	False	Error X
	ment: ot be fixed automatically! Cannot automatically se	et default gate	eway among di	fferent switches	s.
Defa	notice: ult gateway can be set with command: fault-gateway <ip address=""></ip>				
4	Native vlan different than 1	Critical	False	True	Error X
Ther	not determine search/fix comment: e is no applicable interface type on this device to s icable_to_interface_type'['trunk'] and 'non_applica			t meet requirem	ents in
5	Specified allowed VLAN on trunk	Critical	False	True	Error X
Ther	not determine search/fix comment: e is no applicable interface type on this device to s icable_to_interface_type'['trunk'] and 'non_applica			t meet requirem	ents in
6	Switchport mode dynamic disabled	Critical	False	False	Successful 🗸

Critical

False

False

Error X

Switchport implicit dynamic disabled

Right configuration setting found in:

interface GigabitEthernet0/1 switchport mode access interface GigabitEthernet0/2 switchport mode access interface GigabitEthernet0/3 switchport mode access

Found port(s) with error:

GigabitEthernet1/0

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3

GigabitEthernet2/0

GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Generated fix:

interface GigabitEthernet1/0 switchport mode access exit

interface GigabitEthernet1/1 switchport mode access

exit

interface GigabitEthernet1/2

switchport mode access

exit

interface GigabitEthernet1/3

switchport mode access

exit

interface GigabitEthernet2/0 switchport mode access

exit

interface GigabitEthernet2/1

switchport mode access

exit

interface GigabitEthernet2/2

switchport mode access

exit

interface GigabitEthernet2/3 switchport mode access

interface GigabitEthernet3/0

switchport mode access exit

interface GigabitEthernet3/1

switchport mode access

exit

interface GigabitEthernet3/2

switchport mode access

exit

interface GigabitEthernet3/3

switchport mode access

exit

8 DTP disabled Critical

False

False

Error X

Found port(s) with error:

GigabitEthernet0/1

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/0

GigabitEthernet1/1

GigabitEthernet1/2 GigabitEthernet1/3

GigabitEthernet2/0

GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Generated fix: interface GigabitEthernet0/1 switchport nonegotiate exit interface GigabitEthernet0/2 switchport nonegotiate interface GigabitEthernet0/3 switchport nonegotiate exit interface GigabitEthernet1/0 switchport nonegotiate exit interface GigabitEthernet1/1 switchport nonegotiate exit interface GigabitEthernet1/2 switchport nonegotiate exit interface GigabitEthernet1/3 switchport nonegotiate exit interface GigabitEthernet2/0 switchport nonegotiate exit interface GigabitEthernet2/1 switchport nonegotiate interface GigabitEthernet2/2 switchport nonegotiate exit interface GigabitEthernet2/3 switchport nonegotiate interface GigabitEthernet3/0 switchport nonegotiate exit interface GigabitEthernet3/1 switchport nonegotiate interface GigabitEthernet3/2 switchport nonegotiate exit interface GigabitEthernet3/3 switchport nonegotiate exit

9 VTP disabled Critical False False Successful ✔

Network Mapping

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	CDP globally disabled	Critical	False	False	Error X
no co	erated fix: Ip run notice: ces such as Cisco IP telephony would not work				
2	CDP disabled on interface(s)	Critical	False	False	Error X

Found port(s) with error:

Tunnel0

GigabitEthernet0/0

GigabitEthernet0/1

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/0

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3

GigabitEthernet2/0

GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Generated fix:

interface Tunnel0

no cdp enable

exit

interface GigabitEthernet0/0

no cdp enable

exit

interface GigabitEthernet0/1

no cdp enable

exit

interface GigabitEthernet0/2

no cdp enable

exit

interface GigabitEthernet0/3

no cdp enable

exit

interface GigabitEthernet1/0

no cdp enable

exit

interface GigabitEthernet1/1

no cdp enable

exit

interface GigabitEthernet1/2

no cdp enable exit

interface GigabitEthernet1/3

no cdp enable

exit

interface GigabitEthernet2/0

no cdp enable

exit

interface GigabitEthernet2/1

no cdp enable

exit

interface GigabitEthernet2/2

no cdp enable

exit

interface GigabitEthernet2/3

no cdp enable

exit

interface GigabitEthernet3/0 no cdp enable

exit

interface GigabitEthernet3/1 no cdp enable

exit

interface GigabitEthernet3/2 no cdp enable

exit

interface GigabitEthernet3/3

no cdp enable

exit

3	LLDP globally disabled	Critical	False	False	Successful 🗸
4	LLDP receive disabled on interface(s)	Critical	False	False	Not relevant

Module 11_04_lldp_receive.yaml configured to run after 11_03_lldp_run_disabled.yaml with status error but that module has not run yet with specified cmd_match_status, 11_04_lldp_receive.yaml will not run

5	LLDP transmit disabled on interface(s)	Critical	False	False	Not relevant ✓			
Modu	ment: ule 11_05_lldp_transmit.yaml configured to run afte ule has not run yet with specified cmd match statu				s error but that			
6	Proxy ARP disabled on interface(s)	Critical	False	False	Error X			
	nd port(s) with error: bitEthernet0/0 10							
inter no ip exit inter no ip	erated fix: face GigabitEthernet0/0 proxy-arp face Vlan10 proxy-arp							
exit 7	ICMP Unreachable disabled on interface(s)	High	False	False	Error X			
Gene inter no ip exit inter	Found port(s) with error: GigabitEthernet0/0 Vlan10 Generated fix: interface GigabitEthernet0/0 no ip unreachables							
8	ICMPv6 Unreachable disabled on interface(s)	High	True	False	Not relevant ✓			
	ment: ped, required function ipv6 not configured on devic	e. Everything	ı is OK.					
9	ICMP Mask Reply disabled on interface(s)	High	False	False	Successful 🗸			
10	Directed broadcast disabled on interface(s)	Critical	False	False	Successful 🗸			
11	ICMP Redirects disabled on interface(s)	High	False	False	Error X			
General Genera	nd port(s) with error: bitEthernet0/0 10 erated fix: face GigabitEthernet0/0 redirects face Vlan10 redirects							
12	ICMP 224.0.0.1 ping disabled in ACL	Medium	False	False	Error 🗶			
ip ac rema deny rema deny perm	cerated fix: cess-list extended DENY_NETWORK_MAP irk deny ping all nodes cicmp any host 224.0.0.1 echo log-input irk deny host query cigmp any any host-query log-input hit ip any any notice: de devices do not recognize parameter "log-input" in	n ACL . so mar	nually replace i	t with "log"				
13	IGMP Host Query disabled in ACL	Medium	False	False	Error X			
	•							

Generated fix: ip access-list extended DENY_NETWORK_MAP remark deny ping all nodes deny icmp any host 224.0.0.1 echo log-input remark deny host query deny igmp any any host-query log-input permit ip any any Fix notice: Some devices do not recognize parameter "log-input" in ACL, so manually replace it with "log" Not relevant ICMPv6 ff02::1 ping disabled in ACL Medium True False Comment: Skipped, required function ipv6 not configured on device. Everything is OK. Not relevant MLD Host Query disabled in ACL **False** 15 Medium True **Comment:** Skipped, required function ipv6 not configured on device. Everything is OK. ACL against IPv4 network monitoring Medium False **False** Error X applied on interface(s) Found port(s) with error: GigabitEthernet0/1 GigabitEthernet0/2 GigabitEthernet0/3 GigabitEthernet1/0 GigabitEthernet1/1 GigabitEthernet1/2 GigabitEthernet1/3 GigabitEthernet2/0 GigabitEthernet2/1 GigabitEthernet2/2 GigabitEthernet2/3 GigabitEthernet3/0 GigabitEthernet3/1 GigabitEthernet3/2 GigabitEthernet3/3

Generated fix: interface GigabitEthernet0/1 ip access-group DENY_NETWORK_MAP in exit interface GigabitEthernet0/2 ip access-group DENY NETWORK MAP in exit interface GigabitEthernet0/3 ip access-group DENY_NETWORK_MAP in exit interface GigabitEthernet1/0 ip access-group DENY_NETWORK_MAP in exit interface GigabitEthernet1/1 ip access-group DENY_NETWORK_MAP in exit interface GigabitEthernet1/2 ip access-group DENY_NETWORK_MAP in exit interface GigabitEthernet1/3 ip access-group DENY_NETWORK_MAP in exit interface GigabitEthernet2/0 ip access-group DENY NETWORK MAP in exit interface GigabitEthernet2/1 ip access-group DENY_NETWORK_MAP in exit interface GigabitEthernet2/2 ip access-group DENY_NETWORK_MAP in exit interface GigabitEthernet2/3 ip access-group DENY_NETWORK_MAP in interface GigabitEthernet3/0 ip access-group DENY NETWORK MAP in exit interface GigabitEthernet3/1 ip access-group DENY_NETWORK_MAP in exit

Fix notice:

exit

interface GigabitEthernet3/2

interface GigabitEthernet3/3

ip access-group DENY NETWORK MAP in

ip access-group DENY_NETWORK_MAP in

ACL will be applied to specified ACCESS interface(s). In case of existing ACL on interface in same direction, please set variable fix_cmd_ignore: "true" and append generated ACL from module 11_12_icmp_discovery_network to existing ACL to proper place.

ACL against IPv6 network monitoring Medium True False Not relevant applied on interface(s)

Comment:

Skipped, required function ipv6 not configured on device. Everything is OK.

Routing

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	OSPF IPv4 Router ID	Medium	True	False	Not relevant ✓
	ment: ned, required function ospf ipv4 not configured on o	device. Everyt	thing is OK.		
2	OSPF IPv6 Router ID	Medium	True	False	Not relevant ✓
	ment: ped, required function ospf ipv6 not configured on o	device. Everyt	thing is OK.		
3	OSPFv3 Address Family General Router ID	Medium	True	False	Not relevant ✓

					Not relevant				
4	OSPFv3 Address Family IPv4 Router ID	Medium	True	False	✓				
Comment: Skipped, required function ospfv3 not configured on device. Everything is OK.									
5	OSPFv3 Address Family IPv6 Router ID	Medium	True	False	Not relevant ✓				
	nment: ped, required function ipv6 not configured on devi	ce. Everything	g is OK.						
6	EIGRP IPv4 Router ID	Medium	True	False	Not relevant ✓				
	nment: pped, required function eigrp ipv4 not configured or	n device. Ever	ything is OK.						
7	EIGRP IPv6 Router ID	Medium	True	False	Not relevant				
	n ment: oped, required function eigrp ipv6 not configured or	n device. Ever	ything is OK.		·				
8	EIGRP Named IPv4 Router ID	Medium	True	False	Not relevant ✓				
Skip	nment: pped, required function eigrp named not configured				Not relevant				
9 Con	EIGRP Named IPv6 Router ID	Medium	True	False	✓				
Clrin	and required function in C not configured on doui	aa Evanuthin	. 014						
10 Fou	ped, required function ipv6 not configured on devi BGP Router ID and error in context(s): ser bgp 1212	Medium	False	False	Error 🗶				
Four	BGP Router ID			False					
Four rout Ger rout bgp	BGP Router ID Ind error in context(s): er bgp 1212 Inerated fix: er bgp 1212			False False	Error Not relevant ✓				
Four rout Ger rout bgp	BGP Router ID Ind error in context(s): ter bgp 1212 Interacted fix: ter bgp 1212 router-id 3.3.3.3	Medium Medium	False True		Not relevant ✓				
Four rout Ger rout bgp	BGP Router ID Ind error in context(s): Iter bgp 1212 Interacted fix: Iter bgp 1212 Irouter-id 3.3.3.3 OSPF IPv4 Log adjacency changes Interaction in context(s): Iter bgp 1212 Irouter-id 3.3.3.3	Medium Medium	False True						
Four Four Ger rout bgp 11 Con Skip 12	BGP Router ID Ind error in context(s): Iter bgp 1212 Interacted fix: Iter bgp 1212 Irouter-id 3.3.3.3 OSPF IPv4 Log adjacency changes Interaction ospf ipv4 not configured on	Medium Medium device. Every	True orthing is OK.	False	Not relevant ✓ Not relevant				
Four Four Ger rout bgp 11 Con Skip	BGP Router ID Ind error in context(s): er bgp 1212 Inerated fix: er bgp 1212 router-id 3.3.3.3 OSPF IPv4 Log adjacency changes Inment: OPPR IPv6 Log adjacency changes OSPF IPv6 Log adjacency changes	Medium Medium device. Every	True orthing is OK.	False	Not relevant ✓ Not relevant				
Four route Ger route bgp 11 Con Skip 12 Con Skip	BGP Router ID Ind error in context(s): Ier bgp 1212 Inerated fix: Ier bgp 1212 router-id 3.3.3.3 OSPF IPv4 Log adjacency changes Inment: Inped, required function ospf ipv4 not configured on OSPF IPv6 Log adjacency changes Inment: Inped, required function ospf ipv6 not configured on OSPFv3 Address Family IPv6 Log	Medium device. Every Medium device. Every	True withing is OK. True withing is OK.	False False	Not relevant Not relevant Not relevant				
Four rout Gerrout bgp 11 Con Skip 12 Con Skip	BGP Router ID Ind error in context(s): Ier bgp 1212 Inerated fix: Ier bgp 1212 Irouter-id 3.3.3.3 OSPF IPv4 Log adjacency changes Inment: Inped, required function ospf ipv4 not configured on OSPF IPv6 Log adjacency changes Inment: Inped, required function ospf ipv6 not configured on OSPFv3 Address Family IPv6 Log adjacency changes Inment: Inped, required function ospf ipv6 not configured on OSPFv3 Address Family IPv6 Log adjacency changes	Medium device. Every Medium device. Every	True withing is OK. True withing is OK.	False False	Not relevant Not relevant Not relevant				
Four rout Gerrout bgp 11 Con Skip 13 Con Skip	BGP Router ID Ind error in context(s): Ier bgp 1212 Inerated fix: Ier bgp 1212 Irouter-id 3.3.3.3 OSPF IPv4 Log adjacency changes Inment: Ipped, required function ospf ipv4 not configured on OSPF IPv6 Log adjacency changes Inment: Ipped, required function ospf ipv6 not configured on OSPFv3 Address Family IPv6 Log adjacency changes Inment: Ipped, required function ipv6 not configured on devi OSPFv3 Address Family IPv4 Log OSPFv3 Address Family IPv4 Log	Medium device. Every Medium device. Every Medium ce. Everything	True whing is OK. True whing is OK. True g is OK. True	False False	Not relevant Not relevant Not relevant Not relevant				
Four route Gerroute bgp 11 Con Skip 13 Con Skip 14	Inderror in context(s): Ier bgp 1212 Inerated fix: Ier bgp 1212 Irouter-id 3.3.3.3 OSPF IPv4 Log adjacency changes Inment: Ipped, required function ospf ipv4 not configured on OSPF IPv6 Log adjacency changes Inment: Ipped, required function ospf ipv6 not configured on OSPFv3 Address Family IPv6 Log adjacency changes Inment: Ipped, required function ipv6 not configured on devi OSPFv3 Address Family IPv4 Log adjacency changes Inment: Ipped, required function ipv6 not configured on devi OSPFv3 Address Family IPv4 Log adjacency changes Inment: Inped, required function ipv6 not configured on devi OSPFv3 Address Family IPv4 Log adjacency changes	Medium device. Every Medium device. Every Medium ce. Everything	True whing is OK. True whing is OK. True g is OK. True	False False	Not relevant Not relevant Not relevant Not relevant				
Four route Gerrout bgp 11 Con Skip 12 Con Skip 13 Con Skip	Inderror in context(s): Iner bgp 1212 Inerated fix: Iter bgp 1212 Inerated fix: Inerated function ospf ipv4 not configured on one Inerated function ospf ipv4 not configured on ospf ipv6 not configured on ospf ipv6 not configured on ospf ipv6 not configured on devi Inerated function ipv6 not configured on devi Inerated function ipv6 not configured on devi Inerated function ospfv3 not configured on devi Inerated fix: Inerate	Medium device. Every Medium device. Every Medium ce. Everything Medium evice. Everyth	True Athing is OK. True Athing is OK. True Is OK. True Ing is OK. True	False False False	Not relevant Not relevant Not relevant Not relevant Not relevant				

Com	ment:									
Skipp	ped, required function eigrp ipv4 not configured on	device. Ever	ything is OK.		Not voles out					
17	EIGRP IPv6 Log neighbor changes	Medium	True	False	Not relevant ✓					
	ment: ped, required function eigrp ipv6 not configured on	ı device. Ever	ything is OK.							
18	EIGRP Named IPv4 Log neighbor changes	Medium	True	False	Not relevant ✓					
	Comment: Skipped, required function eigrp named not configured on device. Everything is OK. Not relevant									
19	EIGRP Named IPv6 Log neighbor changes	Medium	True	False	Not relevant ✓					
	Comment: Skipped, required function ipv6 not configured on device. Everything is OK.									
20	BGP Log neighbor changes	Medium	False	False	Successful 🗸					
route	t configuration setting found in: er bgp 1212 og-neighbor-changes									
21	RIP auto summary disabled	High	False	False	Successful 🗸					
route	t configuration setting found in: er rip uto-summary									
22	EIGRP IPv4 Auto summary disabled	High	True	False	Not relevant ✓					
	ment: ped, required function eigrp ipv4 not configured on	ı device. Ever	ything is OK.							
23	EIGRP IPv6 Auto summary disabled	High	True	False	Not relevant ✓					
	ment: ped, required function eigrp ipv6 not configured on	ı device. Ever	ything is OK.							
24	EIGRP Named IPv4 Auto summary disabled	High	True	False	Not relevant ✓					
	ment: ped, required function eigrp named not configured	on device. Ev	verything is OK							
25	EIGRP Named IPv6 Auto summary disabled	High	True	False	Not relevant					
	ment: ped, required function ipv6 not configured on device	ce. Everything	g is OK.							
26	BGP Auto summary disabled	High	False	False	Successful 🗸					
27	BGP Multihop disabled or TTL security used	High	False	False	Error 🗶					
route	r configuration setting found in: er bgp 1212 nbor 209.115.200.1 ebgp-multihop 2									
Four	nd error in context(s): er bgp 1212									
Gene	erated fix:									
no ne route	er bgp 1212 eighbor 209.115.200.1 ebgp-multihop 2 er bgp 1212 nbor 209.115.200.1 ttl-security hops 2									
28	IP Source routing (IP Options) disabled	Critical	False	False	Successful 🗸					

Filtering

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	ACL filter specified for IPv4 addresses or WAN	¹ Critical	False	False	Error X
ip acc rema deny deny deny deny deny deny deny deny	rated fix: tess-list extended IPV4_WAN_FILTER rk DENY RFC6890 and RFC8190 ip 0.0.0.0 0.255.255.255 any log-input ip 10.0.0.0 0.255.255.255 any log-input ip 100.64.0.0 0.63.255.255 any log-input ip 127.0.0.0 0.255.255.255 any log-input ip 169.254.0.0 0.0.255.255 any log-input ip 172.16.0.0 0.15.255.255 any log-input ip 192.0.0.0 0.0.0.7 any log-input ip 192.0.2.0 0.0.0.255 any log-input ip 192.18.0.0 0.1.255.255 any log-input ip 198.51.100.0 0.0.255 any log-input ip 192.168.0.0 0.0.255.255 any log-input ip 192.0.0.0 0.255.255 any log-input ip 192.0.0.0 0.255.255 any log-input ip 203.0.113.0 0.0.0.255 any log-input ip 240.0.0 15.255.255.255 any log-input ip 240.0.0 15.255.255.255 any log-input it ip any any				
Some	devices do not recognize parameter "log-input" in				- ٧
2	ACL filter IPv4 applied on WAN interface	Critical	False	False	Error X
General interfip acception of the control of the co	d port(s) with error: bitEthernet0/0 erated fix: ace GigabitEthernet0/0 cess-group IPV4_WAN_FILTER in otice: bill be applied to specified WAN interface. In case of the complete of the comp				
3	ACL filter specified for IPv5 addresses or WAN	¹ Critical	True	False	Not relevant ✓
	nent: ed, required function ipv6 not configured on device	e. Everything	is OK.		
4	ACL filter IPv6 applied on WAN interface	Critical	True	False	Not relevant
	nent: ed, required function ipv6 not configured on devic	e. Evervthina	is OK.		
5ki.pp	IP Options disabled	Critical	False	False	Error X
ip opt	erated fix: cions drop otice:	ay not fire at:	on as overested		
6 6	and other protocols that use IP Options packets m ACL filter IPv6 unknown extended	Critical	on as expected True	False	Not relevant
Comi	header ment: ed, required function ipv6 not configured on device			raise	✓
3кірр 7	ACL filter IPv6 unknown extended	Critical	True	False	Not relevant
Comi	header applied on WAN interface nent:			i disc	✓
Skipp 8	ed, required function ipv6 not configured on device ACL filter IPv6 unknown extended			Falso	Not relevant
Ö	header applied on ACCESS interface	Critical	True	False	✓

Skipped, required function ipv6 not configured on device. Everything is OK.

First Hop Security

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	Port security enabled	Critical	False	False	Error 🗶

Right configuration setting found in:

interface GigabitEthernet0/1 switchport port-security interface GigabitEthernet0/2 switchport port-security interface GigabitEthernet0/3 switchport port-security

Found port(s) with error: GigabitEthernet1/0

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3 GigabitEthernet2/0

GigabitEthernet2/1
GigabitEthernet2/2

GigabitEthernet2/3 GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Generated fix: interface GigabitEthernet1/0 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security interface GigabitEthernet1/1 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet1/2 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet1/3 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet2/0 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet2/1 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet2/2 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet2/3 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet3/0 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet3/1 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet3/2 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit interface GigabitEthernet3/3 switchport port-security mac-address sticky switchport port-security maximum 1 switchport port-security violation shutdown switchport port-security exit Port security maximum 1 allowed MAC 2 Critical False False Error X on port Error configuration setting found in:

GigabitEthernet0/1

switchport port-security maximum 2

Found ports with error: GigabitEthernet0/1 Generated fix: interface GigabitEthernet0/1 switchport port-security maximum 1 exit 3 Port security violation shutdown Critical False False Error X Error configuration setting found in: GigabitEthernet0/2 switchport port-security violation restrict Found ports with error: GigabitEthernet0/2 Generated fix: interface GigabitEthernet0/2 switchport port-security violation shutdown exit 4 802.1x globally enabled High **False False** Error X Generated fix: dot1x system-auth-control 5 AAA authentication 802.1x High **False False** Error X Generated fix: aaa authentication dot1x default group RADIUS_SERVER 6 802.1x enabled on interfaces High **False** False Error X Found port(s) with error: GigabitEthernet0/1 GigabitEthernet0/2 GigabitEthernet0/3 GigabitEthernet1/0 GigabitEthernet1/1 GigabitEthernet1/2 GigabitEthernet1/3 GigabitEthernet2/0 GigabitEthernet2/1 GigabitEthernet2/2 GigabitEthernet2/3 GigabitEthernet3/0 GigabitEthernet3/1 GigabitEthernet3/2 GigabitEthernet3/3

Generated fix:

interface GigabitEthernet0/1
access-session port-control auto
authentication port-control auto
dot1x port-control auto
yes
exit
interface GigabitEthernet0/2
access-session port-control auto
authentication port-control auto
dot1x port-control auto
yes
exit

interface GigabitEthernet0/3

access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet1/0 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet1/1 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet1/2 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet1/3 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet2/0 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet2/1 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet2/2 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet2/3 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet3/0 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet3/1 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet3/2 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit interface GigabitEthernet3/3 access-session port-control auto authentication port-control auto dot1x port-control auto yes exit

Just one of fixing command is applicable to device. There are more because of different syntax among IOS versions.

False

8	802.1x port set authenticator	High	False	False	Error 🗶
Four Giga Giga Giga Giga Giga Giga Giga Giga	and port(s) with error: bitEthernet0/1 bitEthernet0/2 bitEthernet1/0 bitEthernet1/1 bitEthernet1/1 bitEthernet1/2 bitEthernet1/3 bitEthernet1/3 bitEthernet1/3 bitEthernet1/3 bitEthernet2/1 bitEthernet2/1 bitEthernet2/1 bitEthernet2/3 bitEthernet2/3 bitEthernet3/0 bitEthernet3/1 bitEthernet3/1 bitEthernet3/2 bitEthernet3/3 brated fix: face GigabitEthernet0/1 x pae authenticator face GigabitEthernet0/2 x pae authenticator face GigabitEthernet1/0 x pae authenticator face GigabitEthernet1/1 x pae authenticator face GigabitEthernet1/1 x pae authenticator face GigabitEthernet1/2 x pae authenticator face GigabitEthernet2/0 x pae authenticator face GigabitEthernet2/1 x pae authenticator face GigabitEthernet2/1 x pae authenticator face GigabitEthernet2/1 x pae authenticator face GigabitEthernet2/2 x pae authenticator face GigabitEthernet2/3 x pae authenticator face GigabitEthernet2/3 x pae authenticator face GigabitEthernet3/0 x pae authenticator face GigabitEthernet3/1 x pae authenticator face GigabitEthernet3/1 x pae authenticator face GigabitEthernet3/1 x pae authenticator face GigabitEthernet3/2 x pae authenticator face GigabitEthernet3/1 x pae authenticator face GigabitEthernet3/2 x pae authenticator face GigabitEthernet3/2 x pae authenticator face GigabitEthernet3/2 x pae authenticator			I dise	ETION A
exit 9	DHCP Snooping globally enabled	Critical	False	False	Error X
ip dh	erated fix: icp snooping notice: buter(s) to DHCP server issue command "ip dhcp r				
10 Gene	DHCP Snooping enabled for VLAN(s) erated fix:	Critical	False	False	Error X
	cp snooping vlan 10,20,30,40,50,60				
11	DHCP Snooping trust interface(s) set	Critical	False	True	Error X

Cannot determine search/fix comment:

There is no applicable interface type on this device to scan and apply fix to. Cannot meet requirements in 'applicable_to_interface_type'['trusted-uplink', 'trunk'] and 'non_applicable_to_interface_type' []

DHCP Snooping rate limit fo ACCESS 12 interface(s) set

High

False

False

Error X

Found port(s) with error:

GigabitEthernet0/1

GigabitEthernet0/2

GigabitEthernet0/3

GigabitEthernet1/0

GigabitEthernet1/1

GigabitEthernet1/2

GigabitEthernet1/3

GigabitEthernet2/0

GigabitEthernet2/1

GigabitEthernet2/2

GigabitEthernet2/3

GigabitEthernet3/0

GigabitEthernet3/1

GigabitEthernet3/2

GigabitEthernet3/3

Generated fix:

interface GigabitEthernet0/1 ip dhcp snooping limit rate 100

interface GigabitEthernet0/2 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet0/3 ip dhcp snooping limit rate 100

interface GigabitEthernet1/0 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet1/1 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet1/2 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet1/3 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet2/0 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet2/1 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet2/2 ip dhcp snooping limit rate 100

interface GigabitEthernet2/3 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet3/0 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet3/1 ip dhcp snooping limit rate 100 exit

interface GigabitEthernet3/2 ip dhcp snooping limit rate 100

interface GigabitEthernet3/3 ip dhcp snooping limit rate 100 exit

13	IPv6 Unicast Routing enabled	Critical	True	False	Not relevant ✓				
	Comment: Skipped, required function ipv6 not configured on device. Everything is OK.								
14	IPv6 RA Guard host policy defined	Critical	True	False	Not relevant ✓				
	nment: ped, required function ipv6 not configured on device	ce. Everythin	g is OK.						
15	IPv6 RA Guard on ACCESS interface(s)	Critical	True	False	Not relevant ✓				
	nment: ped, required function ipv6 not configured on device	ce. Everythin	g is OK.						
16	DHCPv6 Server policy	Critical	True	False	Not relevant ✓				
	Comment: Skipped, required function ipv6 not configured on device. Everything is OK.								
17	DHCPv6 Client policy	Critical	True	False	Not relevant ✓				
	Comment: Skipped, required function ipv6 not configured on device. Everything is OK.								
18	DHCPv6 Guard server interface(s) set	Critical	True	False	Not relevant ✓				
	nment: ped, required function ipv6 not configured on device	ce. Everythin	g is OK.						
19	DHCPv6 Guard client interface(s) set	Critical	True	False	Not relevant ✓				
Comment: Skipped, required function ipv6 not configured on device. Everything is OK.									
20	Dynamic ARP Inspection enabled for VLAN(s)	Critical	False	False	Error 🗶				
	erated fix: p inspection vlan 10,20,30,40,50,60								

21	Dynamic ARP Inspection validate by SRC,DST MAC and IP	Critical	False	False	Error X			
	erated fix: o inspection validate src-mac dst-mac ip							
22	Dynamic ARP trusted interface(s) set	Critical	False	True	Error X			
There	Cannot determine search/fix comment: There is no applicable interface type on this device to scan and apply fix to. Cannot meet requirements in applicable_to_interface_type'['trusted-uplink', 'trunk'] and 'non_applicable_to_interface_type' []							
23	IPv6 ND inspection policy	Critical	True	False	Not relevant ✓			
	Comment: Skipped, required function ipv6 not configured on device. Everything is OK.							
24	IPv6 ND inspection on interface(s) set	Critical	True	False	Not relevant ✓			
	ment: ned, required function ipv6 not configured on devic	e. Everything	is OK.					
25	IPv6 Snooping policy	Critical	True	False	Not relevant ✓			
	ment: ped, required function ipv6 not configured on devic	e. Everything	is OK.					
26	IPv6 Snooping on interface(s) set	Critical	True	False	Not relevant ✓			
	ment: ped, required function ipv6 not configured on devic	e. Everything	is OK.					
27	IP Source Guard on interface(s) set	Critical	False	False	Error X			
Gigak Gigak Gigak Gigak Gigak Gigak Gigak Gigak Gigak Gigak Gigak	oitEthernet0/1 oitEthernet0/2 oitEthernet1/0 oitEthernet1/1 oitEthernet1/2 oitEthernet1/3 oitEthernet2/0 oitEthernet2/1 oitEthernet2/3 oitEthernet3/0 oitEthernet3/1 oitEthernet3/3							

	erated fix: face GigabitEthernet0/1						
	rify source port-security						
ip ve	face GigabitEthernet0/2 rify source port-security						
	face GigabitEthernet0/3 rify source port-security						
	face GigabitEthernet1/0						
exit	rify source port-security face GigabitEthernet1/1						
	rify source port-security						
	face GigabitEthernet1/2 rify source port-security						
inter	face GigabitEthernet1/3 rify source port-security						
	face GigabitEthernet2/0						
exit	rify source port-security face GigabitEthernet2/1						
	rify source port-security						
ip ve	face GigabitEthernet2/2 rify source port-security						
ip ve	face GigabitEthernet2/3 rify source port-security						
ip ve	face GigabitEthernet3/0 rify source port-security						
ip ve	face GigabitEthernet3/1 rify source port-security						
ip ve	face GigabitEthernet3/2 rify source port-security						
	face GigabitEthernet3/3 rify source port-security						
28	IPv6 Source Guard policy	Critical	True	False	Not relevant ✓		
	ment: ped, required function ipv6 not configured on device	ce. Everything	g is OK.				
29	IPv6 Source Guard on interface(s) set	Critical	True	False	Not relevant ✓		
	ment: ned, required function ipv6 not configured on device	ce. Everything	g is OK.				
30	IPv6 Destination Guard policy	Critical	True	False	Not relevant ✓		
	ment: ped, required function ipv6 not configured on devi	ce. Evervthing	a is OK.				
31	IPv6 Destination Guard on interface(s) set	Critical	True	False	Not relevant ✓		
	ment: bed, required function ipv6 not configured on device	ce. Everything	g is OK.				
	Other						

Other

No.	Name	Severity	Skipped	Cannot determine search/fix	
1	Servis PAD disabled (Packet assembler disassembler)	High	False	False	Error X

	Generated fix: no service pad							
2	BOOTP server disabled	High	False	False	Error 🗶			
	erated fix: bootp server							
3	Finger protocol disabled	High	False	False	Successful 🗸			
4	HTTP server disabled	High	False	False	Error 🗶			
	Error configuration setting found in: ip http server							
5	HTTPS server disabled	High	False	False	Successful 🗸			
6	TCP small server disabled	High	False	False	Successful 🗸			
7	UDP small server disabled	High	False	False	Successful 🗸			
8	IP domain lookup disabled	High	False	False	Successful 🗸			
	t configuration setting found in: domain-lookup							
9	Gratuitous ARPs generation disabled	High	False	False	Error X			
	erated fix: gratuitous-arps							
10	Gratuitous ARPs reject enabled	High	False	False	Error X			
	erated fix: p gratuitous none							
11	Netflow is disabled	Notice	False	False	Successful 🗸			
By de	gnore comment: efault fix is ignored due to disablement of traffic mo toring	onitoring. Coı	nsider whether	port mirroring	is neccesary for			
12	Netflow version 9 used	Medium	False	False	Not relevant ✓			
Modu	ment: ule 15_14_netflow_version_9.yaml configured to run not run yet with specified cmd_match_status, 15_14				or but that module			
13	Netflow traffic analyze disabled on interface(s)	Notice	False	False	Not relevant ✓			
Modu	ment: ule 15_15_netflow_interface.yaml configured to run un yet with specified cmd_match_status, 15_15_ne				r but that module has			
By de	gnore comment: efault fix is ignored due to disablement of traffic mo toring	onitoring. Coi	nsider whether	port mirroring	is neccesary for			
14	Port mirroring disabled on interface(s)	Notice	False	False	Successful 🗸			
By de	Fix ignore comment: By default fix is ignored due to disablement of traffic monitoring. Consider whether port mirroring is neccesary for monitoring							
15	Set always "UP" Loopback interface with IP address	Medium	False	False	Error 🗶			
interi ip ad snmp no ip	Generated fix: interface loopback 0 ip address 1.1.1.1 255.255.255.0 snmp ifindex persist no ip redirects no ip unreachables							

interface loopback 0
ip address 1.1.1.1 255.255.255.0
snmp ifindex persist
no ip redirects
no ip unreachables
no ipv6 unreachables
no ip proxy-arp
exit

If IP a	Fix notice: If IP address and mask is not in this module, fallback settings from own_variables.yaml are used. So it may cause same IP on loopbacks accross multiple devices!								
16	Notification on memory IO leak/overflow	Medium	False	False	Error X				
	Generated fix: exception memory ignore overflow io								
17	Notification on memory CPU leak/overflow	Medium	False	False	Error 🗶				
	Generated fix: exception memory ignore overflow processor								
18	Network boot disabled	Medium	False	False	Successful 🗸				
19	Network config load disabled	Medium	False	False	Successful 🗸				
	SCP server enabled	Medium	False	False	Error X				
ıp scr	o server enable								
21	SCP alias copy instead of TFTP	High	False	False	Successful 🗸				
22	Protection of configuration deletion	High	False	False	Error 🗶				
secur secur	erated fix: se boot config se boot-config otice: sne of fixing command is applicable to device. Ther	e are more b	ecause of diffe	rent syntax am	ong IOS versions.				
23	Archive and log config changes	Medium	False	False	Error X				
arching path log colongging notify hidek maxim	unix: onfig ng enable v syslog								
24	Terminate hanged inbound TCP connection to device	Medium	False	False	Error X				
	Generated fix: service tcp-keepalives-in								
25	Terminate hanged outbound TCP connection to device	Medium	False	False	Error 🗶				
	Generated fix: service tcp-keepalives-out								
26	Encrypt all saved passwords in configuration	Critical	False	False	Successful 🗸				
	t configuration setting found in: rvice password-encryption								